

SEQUENCE LISTING

10/575311

AP20 Rec'd PCT 11 APR 2006

<110> BURGESS, Nicola A

<120> A PROTEIN INVOLVED IN OVARIAN CANCER

<130> 1300-1-015PCT/US

<140> PCT/GB2004/004502

<141> 2004-10-22

<150> GB0324656.8

<151> 2003-10-22

<160> 4

<170> PatentIn version 3.1

<210> 1

<211> 836

<212> PRT

<213> Homo Sapiens

<400> 1

Met Ala Gly Leu Asn Cys Gly Val Ser Ile Ala Leu Leu Gly Val Leu
1 5 10 15

Leu Leu Gly Ala Ala Arg Leu Pro Arg Gly Ala Glu Ala Phe Glu Ile
20 25 30

Ala Leu Pro Arg Glu Ser Asn Ile Thr Val Leu Ile Lys Leu Gly Thr
35 40 45

Pro Thr Leu Leu Ala Lys Pro Cys Tyr Ile Val Ile Ser Lys Arg His
50 55 60

Ile Thr Met Leu Ser Ile Lys Ser Gly Glu Arg Ile Val Phe Thr Phe
65 70 75 80

Ser Cys Gln Ser Pro Glu Asn His Phe Val Ile Glu Ile Gln Lys Asn
 85 90 95
 Ile Asp Cys Met Ser Gly Pro Cys Pro Phe Gly Glu Val Gln Leu Gln
 100 105 110
 Pro Ser Thr Ser Leu Leu Pro Thr Leu Asn Arg Thr Phe Ile Trp Asp
 115 120 125
 Val Lys Ala His Lys Ser Ile Gly Leu Glu Leu Gln Phe Ser Ile Pro
 130 135 140
 Arg Leu Arg Gln Ile Gly Pro Gly Glu Ser Cys Pro Asp Gly Val Thr
 145 150 155 160
 His Ser Ile Ser Gly Arg Ile Asp Ala Thr Val Val Arg Ile Gly Thr
 165 170 175
 Phe Cys Ser Asn Gly Thr Val Ser Arg Ile Lys Met Gln Glu Gly Val
 180 185 190
 Lys Met Ala Leu His Leu Pro Trp Phe His Pro Arg Asn Val Ser Gly
 195 200 205
 Phe Ser Ile Ala Asn Arg Ser Ser Ile Lys Arg Leu Cys Ile Ile Glu
 210 215 220
 Ser Val Phe Glu Gly Glu Gly Ser Ala Thr Leu Met Ser Ala Asn Tyr
 225 230 235 240
 Pro Glu Gly Phe Pro Glu Asp Glu Leu Met Thr Trp Gln Phe Val Val
 245 250 255
 Pro Ala His Leu Arg Ala Ser Val Ser Phe Leu Asn Phe Asn Leu Ser
 260 265 270
 Asn Cys Glu Arg Lys Glu Glu Arg Val Glu Tyr Tyr Ile Pro Gly Ser
 275 280 285
 Thr Thr Asn Pro Glu Val Phe Lys Leu Glu Asp Lys Gln Pro Gly Asn
 290 295 300
 Met Ala Gly Asn Phe Asn Leu Ser Leu Gln Gly Cys Asp Gln Asp Ala
 305 310 315 320
 Gln Ser Pro Gly Ile Leu Arg Leu Gln Phe Gln Val Leu Val Gln His

325

330

335

Pro Gln Asn Glu Ser Asn Lys Ile Tyr Val Val Asp Leu Ser Asn Glu
 340 345 350

Arg Ala Met Ser Leu Thr Ile Glu Pro Arg Pro Val Lys Gln Ser Arg
 355 360 365

Lys Phe Val Pro Gly Cys Phe Val Cys Leu Glu Ser Arg Thr Cys Ser
 370 375 380

Ser Asn Leu Thr Leu Thr Ser Gly Ser Lys His Lys Ile Ser Phe Leu
 385 390 395 400

Cys Asp Asp Leu Thr Arg Leu Trp Met Asn Val Glu Lys Thr Ile Ser
 405 410 415

Cys Thr Asp His Arg Tyr Cys Gln Arg Lys Ser Tyr Ser Leu Gln Val
 420 425 430

Pro Ser Asp Ile Leu His Leu Pro Val Glu Leu His Asp Phe Ser Trp
 435 440 445

Lys Leu Leu Val Pro Lys Asp Arg Leu Ser Leu Val Leu Val Pro Ala
 450 455 460

Gln Lys Leu Gln Gln His Thr His Glu Lys Pro Cys Asn Thr Ser Phe
 465 470 475 480

Ser Tyr Leu Val Ala Ser Ala Ile Pro Ser Gln Asp Leu Tyr Phe Gly
 485 490 495

Ser Phe Cys Pro Gly Gly Ser Ile Lys Gln Ile Gln Val Lys Gln Asn
 500 505 510

Ile Ser Val Thr Leu Arg Thr Phe Ala Pro Ser Phe Arg Gln Glu Ala
 515 520 525

Ser Arg Gln Gly Leu Thr Val Ser Phe Ile Pro Tyr Phe Lys Glu Glu
 530 535 540

Gly Val Phe Thr Val Thr Pro Asp Thr Lys Ser Lys Val Tyr Leu Arg
 545 550 555 560

Thr Pro Asn Trp Asp Arg Gly Leu Pro Ser Leu Thr Ser Val Ser Trp
 565 570 575

Asn Ile Ser Val Pro Arg Asp Gln Val Ala Cys Leu Thr Phe Phe Lys
580 585 590

Glu Arg Ser Gly Val Val Cys Gln Thr Gly Arg Ala Phe Met Ile Ile
595 600 605

Gln Glu Gln Arg Thr Arg Ala Glu Glu Ile Phe Ser Leu Asp Glu Asp
610 615 620

Val Leu Pro Lys Pro Ser Phe His His His Ser Phe Trp Val Asn Ile
625 630 635 640

Ser Asn Cys Ser Pro Thr Ser Gly Lys Gln Leu Asp Leu Leu Phe Ser
645 650 655

Val Thr Leu Thr Pro Arg Thr Val Asp Leu Thr Val Ile Leu Ile Ala
660 665 670

Ala Val Gly Gly Gly Val Leu Leu Leu Ser Ala Leu Gly Leu Ile Ile
675 680 685

Cys Cys Val Lys Lys Lys Lys Lys Lys Thr Asn Lys Gly Pro Ala Val
690 695 700

Gly Ile Tyr Asn Gly Asn Ile Asn Thr Glu Met Pro Arg Gln Pro Lys
705 710 715 720

Lys Phe Gln Lys Gly Arg Lys Asp Asn Asp Ser His Val Tyr Ala Val
725 730 735

Ile Glu Asp Thr Met Val Tyr Gly His Leu Leu Gln Asp Ser Ser Gly
740 745 750

Ser Phe Leu Gln Pro Glu Val Asp Thr Tyr Arg Pro Phe Gln Gly Thr
755 760 765

Met Gly Val Cys Pro Pro Ser Pro Pro Thr Ile Cys Ser Arg Ala Pro
770 775 780

Thr Ala Lys Leu Ala Thr Glu Glu Pro Pro Pro Arg Ser Pro Pro Glu
785 790 795 800

Ser Glu Ser Glu Pro Tyr Thr Phe Ser His Pro Asn Asn Gly Asp Val
805 810 815

Ser Ser Lys Asp Thr Asp Ile Pro Leu Leu Ser Thr Gln Glu Pro Met
820 825 830

Glu Pro Ala Glu
835

<210> 2

<211> 5978

<212> DNA

<213> Homo Sapiens

<400> 2

gcgcgcaggt	gagtgcagcca	gggcggagcg	cagctgcgcc	gggcttgggc	gcctggggcc	60
gccgctcccc	accgtcgttt	tccccaccga	ggccgaggcg	tcccggagtc	atggccggcc	120
tgaactgcgg	ggtctctatc	gcactgctag	gggttctgct	gctgggtgcg	gcgcgcctgc	180
cgcgcggggc	agaagctttt	gagattgctc	tgccacgaga	aagcaacatt	acagttctca	240
taaagctggg	gaccccgact	ctgctggcaa	aaccctgtta	catcgtcatt	tctaaaagac	300
atataaccat	gttgtccatc	aagtctggag	aaagaatagt	ctttaccttt	agctgccaga	360
gtcctgagaa	tcactttgtc	atagagatcc	agaaaaatat	tgactgtatg	tcaggcccat	420
gtccttttgg	ggagggttcag	cttcagccct	cgacatcggt	gttgcttacc	ctcaacagaa	480
ctttcatctg	ggatgtcaaa	gctcataaga	gcatcggttt	agagctgcag	ttttccatcc	540
ctcgcctgag	gcagatcggg	ccgggtgaga	gctgcccaga	cggagtcact	cactccatca	600
gcggccgaat	cgatgccacc	gtggtcagga	tcggaacctt	ctgcagcaat	ggcactgtgt	660
cccggatcaa	gatgaagaa	ggagtgaaaa	tggccttaca	cctcccatgg	ttccacccca	720
gaaatgtctc	cggcttcagc	attgcaaacc	gctcatctat	aaaacgtctg	tgcattcatcg	780
agtctgtgtt	tgagggtgaa	ggctcagcaa	ccctgatgtc	tgccaactac	ccagaaggct	840
tccctgagga	tgagctcatg	acgtggcagt	ttgtcgttcc	tgcacacctg	cgggccagcg	900
tctccttcct	caacttcaac	ctctccaact	gtgagaggaa	ggaggagcgg	gttgaatact	960
acatcccggg	ctccaccacc	aaccccagg	tgttcaagct	ggaggacaag	cagcctggga	1020
acatggcggg	gaacttcaac	ctctctctgc	aaggctgtga	ccaagatgcc	caaagtccag	1080
ggatcctccg	gctgcagttc	caagtttttg	tccaacatcc	acaaaatgaa	agcaataaaa	1140
tctacgtggg	tgacttgagt	aatgagcgag	ccatgtcact	caccatcgag	ccacggccccg	1200
tcaaacagag	ccgcaagttt	gtccctggct	gtttcgtgtg	tctagaatct	cggacctgca	1260
gtagcaacct	caccctgaca	tctgggtcca	aacacaaaat	ctccttcctt	tgtgatgatc	1320
tgacacgtct	gtggatgaat	gtggaaaaaa	ccataagctg	cacagaccac	cgggtactgcc	1380
aaaggaaaatc	ctactcactc	cagggtgccca	gtgacatcct	ccacctgcct	gtggagctgc	1440

atgacttctc	ctggaagctg	ctggtgcccc	aggacaggct	cagcctggtg	ctggtgccag	1500
cccagaagct	gcagcagcat	acacacgaga	agccctgcaa	caccagcttc	agctacctcg	1560
tggccagtgc	catacccagc	caggacctgt	acttcggctc	cttctgcccc	ggaggctcta	1620
tcaagcagat	ccaggtgaag	cagaacatct	cggtgaccct	tcgcaccttt	gccccagct	1680
tccgacaaga	ggcctccagg	cagggctctga	cggtgtcctt	tataccttat	ttcaaagagg	1740
aaggcgtttt	cacggtgacc	cctgacacaa	aaagcaagg	ctacctgagg	acccccaaact	1800
gggaccgggg	cctgccatcc	ctcacctctg	tgtcctggaa	catcagtgtg	cccagagacc	1860
aggtggcctg	cctgactttc	tttaaggagc	ggagcggcgt	ggtctgccag	acagggcgcg	1920
cattcatgat	catccaggag	cagcggaccc	gggctgagga	gatcttcagc	ctggacgagg	1980
atgtgctccc	caagccaagc	ttccaccatc	acagcttctg	ggtcaacatc	tctaactgca	2040
gccccacgag	cggcaagcag	ctagacctgc	tcttctcggt	gacacttacc	ccaaggactg	2100
tggacttgac	tgtcatcctc	atcgacgcgg	tgggaggtgg	agtcttactg	ctgtctgccc	2160
tcgggctcat	catttgctgt	gtgaaaaaga	agaaaaagaa	gacaaacaag	ggccccgctg	2220
tgggtatcta	caatggcaac	atcaatactg	agatgccgag	gcagccaaaa	aagtttcaga	2280
aagggcgaaa	ggacaatgac	tcccatgtgt	atgcagtcac	cgaggacacc	atggtatatg	2340
ggcatctgct	acaggattcc	agcggctcct	tcctgcagcc	agaggtggac	acctaccggc	2400
cgttccaggg	caccatgggg	gtctgtcctc	cctccccacc	caccatatgc	tccaggggccc	2460
caactgcaaa	gttggccact	gaggagccac	ctcctcgctc	ccctcctgag	tctgagagtg	2520
aaccgtacac	cttctcccat	cccaacaatg	gggatgtaag	cagcaaggac	acagacattc	2580
ccttactgag	cactcaggag	cccatggagc	cagcagaata	acttgatcca	ttccagacgc	2640
tttgctgagt	ttcataaagc	agggcactga	gacacccgtc	cgtgttccta	accagaaatc	2700
ctaaagaaga	ggaattatac	agaaggaaca	gcaggagggtt	ttcctggaca	ccgccaactt	2760
cacattgctc	agtggactca	ttctaagggc	aagacattga	aaatgatgaa	ttccaatctg	2820
gatacagtca	tgacagctca	tgtgtcctc	aacttaggct	gtgcgggttag	ccagcctgta	2880
atgagaggag	agaggcctga	gtcacctagc	ataggggttg	agcaagccct	ggattcagag	2940
tgttaaacag	aggcttgccc	tcttcaggac	aacagttcca	attccaagga	gcctacctga	3000
ggtccctact	ctcactgggg	tccccaggat	gaaaacgaca	atgtgccttt	ttattattat	3060
ttatttggtg	gtcctgtggt	atttaagaga	tcaaatgtat	aaccacctag	cactttttcac	3120
ctgacttagt	aataactcat	actaactgg	ttggatgcct	gggttgtag	ttctactgac	3180
cgctagataa	acgtgtgcct	gtcccccagg	tgggtgggaat	aatttacaat	ctgtccaacc	3240
agaaaagaat	gtgtgtgttt	gagcagcatt	gacacatatc	tgctttgata	agagacttcc	3300

tgattctcta	ggtcggttcg	tggttatccc	attgtggaaa	ttcatcttga	atccccattgt	3360
cctatagtcc	tagcaataag	agaaatttcc	tcaagtttcc	atgtgcggtt	ctcctagctg	3420
cagcaatact	ttgacattta	aagagaaatt	tagagaatat	tctcatcctc	taaaaatgtt	3480
taaatatata	ccaaacagtg	gccccctgca	ttagttttct	gttgccactg	caacctatta	3540
cttggttagct	taaaaacaac	acattagctt	atagtcctgg	ggatcagaat	tcctaaaatgg	3600
atgtccctga	atgaaaatca	aggtgtcagc	agagctgtgc	tccttctgaa	ggctctaggg	3660
agaagccggt	tccttgccat	ttcaagcttc	tagaggctgg	ctgcattccc	aggctccagt	3720
ggctgggtcaa	gcttttctca	catggcatca	ctgtgacact	ggccctccca	cttccctctt	3780
tgacttacaa	agcccaccag	gaagatccag	gataatctct	ccatctaaag	ttccttcatc	3840
atcctggaag	agccttttgc	catgcaagac	aacatagcca	caggtgggga	ttaggaccag	3900
aacatctttg	gggtgctgtt	attctgccta	ccacaccttc	ctgccactga	ctccacagg	3960
agaggctaca	aaatgatctg	gcgcacaggg	atgttttgtt	tagcttgcg	actctaacac	4020
ttaaaaaaaaa	accagatca	gaagatctgg	ccatgctggg	gctcacattc	tcacctagca	4080
acaactggct	ggagctgggc	accagctctg	cctttagaag	gggtgtccac	ttcaccaggt	4140
caccacagcc	cacactacgc	cctatcactt	cccacaatga	ggctgagtgt	ttgtttctac	4200
tgatcaatgc	ccctgcaggt	tgcatcttatt	gtaatgaaaa	agaaagactg	ggattaatct	4260
ctaactcaggt	gagtagacca	tgagaccaat	gtgtgctcac	attacccttt	ttcttttttt	4320
tctttttctt	tttctttttt	tttttaatgt	gagacaggat	ctcattctgt	tgcctaggct	4380
ggagtgcagt	ggcgcaatct	cggctcactg	caacctctgc	ctcctgggct	caagcaattc	4440
tcccacctca	gcctcccaaa	tagctgggat	cactggcaca	aaccaccatg	cccagctaatt	4500
tttgatattt	ttgtagagac	agggtttcac	catgttgccc	aggctgggtct	caacctcctg	4560
ggctcaagca	atcctcctgc	ctcggcctcc	caaagtgtg	ggattacaga	tgtgagccac	4620
cgcatccagc	cccacaccct	catttatacc	aattacctgc	ccagtaactg	tggacttttg	4680
cttcctcacc	cctgctctga	tctggaagga	gagggattat	gttatagctt	gtcagcacag	4740
tccaagttc	aatatttctg	cggcaaaaac	ttccttcaaa	aaataaatgt	acttcattgt	4800
attcaatgaa	ttcaccttgg	aaatgcaccg	cctcaacttg	ttcacatggc	ataaatgaaa	4860
ggaattttat	agtctcctaa	atggcgtgta	ctgcaagacc	tcttgaacac	tttccagagg	4920
ataggatatt	taagtcatgc	ccttgctgcc	tatggcacct	ttcccttctg	aaagtctggt	4980
tcctgcccag	tgacccttgg	ccttgctgagc	cgagatgctg	accctgcata	aagggccaaa	5040
ggaggggctgc	ggcttccttc	cctcactgaa	gagcccttat	ttgaattcac	tgtgtggagc	5100
cctagccctc	cattctcgac	attccccaac	ctcccagccc	cttccaagca	ggactaggtg	5160
ccctgcattc	cacccaaggt	gggattggcc	ttccttaggc	tggctacttg	tcaccatcac	5220

cgacatcact gttgcctgca aggacaccac gtggccattt tccttcaact gagggctcaa	5280
aactcctgga caagttgctg gtcctgaga ccagtatttc ctggagctgt gcctcagtga	5340
aggggcccag cctgaggaac cctggctctt ttctttaaaag cccaggcccc acttacgtaa	5400
aacatttcag ggtcactgga aacagtgaag tgccatttgt tgaagcctac tgcatgccag	5460
cccactgctc atccacgtgg tctgccatgc ctacgaggaa ggccagcgca tgcaggactg	5520
gtctctaata ctgtggcat tgcacagaag ggaaaggctt caaggaagag tcaactggaa	5580
caagcacaag cccaccggac atggccttgg taaaggttag cagactgggtg tgtgtggatc	5640
tgcagtgcct cactggaaat aatttattca ttgcagatac ttttaggtg gcattttatt	5700
catttcctgt gctttaaata aacaaatgta ccaaaaaaca agtatcaagc tgtttaagt	5760
cttcggctac ttgtcccctg gttcagtaga ggccccggtt tcccagttgt tgactgtgac	5820
aggctcagca tgggctcagc agatgctgtc ttaatttgtg gatgatacag aaagccaggc	5880
tttgggatac aagttctttc ctcttcattt gatgccgtgc actgtgtgaa gcagatgttt	5940
ttgtccggaa ataaaaataa tagtcttgga gtctcgcc	5978

<210> 3

<211> 22

<212> DNA

<213> Homo Sapiens

<400> 3

tcacagaaag gtatccacgc tg	22
--------------------------	----

<210> 4

<211> 22

<212> DNA

<213> Homo Sapiens

<400> 4

catcctctgc atcattgtac tg	22
--------------------------	----